

AMENDMENTS TO THE ABSTRACT OF DISCLOSURE

Please replace the Abstract of the Disclosure with the following amended Abstract of the Disclosure:

ABSTRACT OF THE DISCLOSURE

Method of obtaining an antenna gain

A method ~~Method of~~ for obtaining a gain function by means of using an array of antennae and a weighting of the signals received or to be transmitted by vectors (\bar{b}) of complex coefficients. [[,]] The complex coefficients are referred to as weighing vectors, according to which, a reference gain function being given, the said the reference gain function is projected orthogonally onto the sub-space of the a gain function. The sub-space of the gain function is generated by said the weighting vectors of the space of the gain functions. [[,]] The weighting vectors of the space of the gain functions are provided in advance with a norm, and a weighing vector generating the reference gain function thus projected is chosen as the optimum weighting vector.

Fig. 2